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TITLE: TRAVELING FURNACE HEARTH TYPE CONTINUOUS
HEAT TREATMENT
APPARATUS

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ABSTRACT:

PURPOSE: To continuously change plural heat patterns in good controllability by arranging a parting door in each of parts between sections in a shifting furnace hearth and controlling the furnace temp. and the atmosphere in the each section.

CONSTITUTION: In the traveling furnace hearth 2, parting doors 5 for dividing the furnace are arranged as the furnace length units having integral times that of a section unit treating a charging/ejecting lot of materials to be heat- treated as one unit, and in each of parts between the sections, convection and radiation heat are shut off. Further, an gas exhaust device 6

for exhausting the gas generated by directly firing a gas fuel to the each section unit is arranged so as to be possible to execute the settings of plural heat patterns by executing the furnace temp. setting independently in the section unit. By closing the connecting line in each of the parts between the sections in the shifting furnace hearth 2 at the lower end of the parting door 5, sealing near the parting door 5 is executed.

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